

Incomplete

THE CONCORDIENSIS.

VOL. XVI.

UNION COLLEGE, OCTOBER 5, 1892.

No. 2.

Literary.

A SKETCH OF LOCAL GEOLOGY.

The region surrounding Schenectady while presenting no striking geological features, yet possesses considerable interest arising from the unusual variety in its surface. Its general topography may be described as consisting of (1) the valley of the Mohawk, here expanding into a broad basin, (2) the hilly uplands to the north and west, and (3) the extensive sand plain to the east. To trace the history of the formation of these terrestrial features is the task attempted in the present paper.

1. Looking up the valley from the site of Union College an observer can gain some conception of the part the Mohawk river has had in forming the natural scenery about Schenectady. The gap in the hills along whose edge the summer sun rolls to his rest, was formed in no other way than by the slow cutting down of the land by running water. It is understood, of course, that the stream which did this was not the gentle river of to-day, but the remotely pre-historic Mohawk which, for many ages swept on in its course, at times a great flood rising to the height of the bluffs, or slopes, that now bound the valley.

To gain more exact ideas of the geological history of the valley a study must be made of the rocks of this region. The country rock here is the Utica shale of the lower Silurian series. While called a shale it is in some places solid and thick-layered and forms the blue rock used for building-stone. Now, in a cross-section of the Mohawk valley, taken say three miles above Schenectady, one finds these rocks outcropping on the slopes on both sides of the river. In the valley-plain, as has

been shown in boring for wells, the same rocks are struck at a depth of 130 feet. Evidently a great trough one-half a mile or so wide and several hundred feet deep has been scoured out of the rocks by river action. It is reasonable to suppose that this process began soon after the Utica shale formation became surface rock. The geological age of this formation is known and dates back to the early ages of the Secondary period of earth-history. Thus the valley existed in its initial condition at a time inconceivably remote in the past.

The history of the valley was not one of steady progression in formation; the cutting power of the river varied greatly in different periods. We shall probably not err if we imagine that the original Mohawk was a river of moderate size and power, wearing down only a shallow channel in the surface of the shale formation. Its bed was then on a level with the tops of the slopes of the present valley. As the ages of earth-history passed the river cut deeper into the rocks but it was not until a comparatively recent geological period that the great trough noted above was scoured out.

This period, called the Quaternary, began with the glacial epoch, a time when northern latitudes were elevated and covered with a sheet of ice. It was in the early portion of the glacial epoch that the Mohawk valley was greatly deepened and widened by the great erosive power of running water upon land undergoing elevation. The stream, now of great velocity and laden with coarse earthy particles, cut deeper and deeper into the rocks until finally the limit recorded in the old river bottom was reached. The valley was then a broad and deep abyss with walls of solid rock.

After the epoch of elevation came a time

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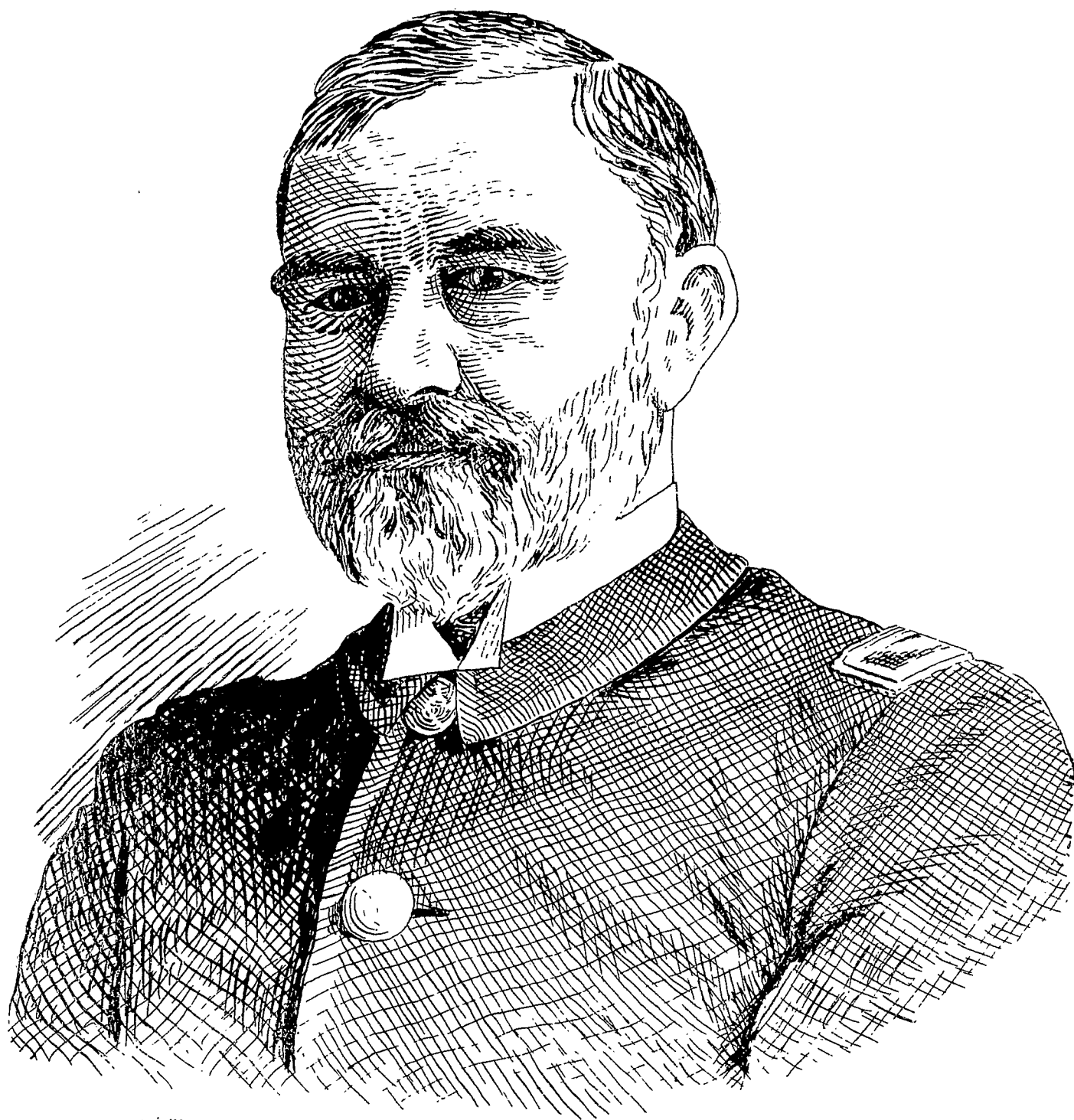
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P. V. Michie

of general subsidence of the land, called the Champlain epoch. Under the conditions then prevailing the great valley became filled up with river-deposit. The record of this is the remains of flood-plains on both sides of the river at levels far above the present valley-plain. These flood-plains form terraces, the highest of course marking the maximum state of flood and the others successively the levels attained during the time of subsiding waters—the terrace epoch.

It is very interesting to observe the patches of these terraces that remain along the slopes of the valley. The level expanse of which the campus of Union College forms a part is a remnant of such a terrace and marks the height which the flood attained in this locality. This is evidenced both by the configuration of the surface and by the depth and slope of the bed-rock. This terrace can be traced for a considerable distance eastward but going up the river it is lost in the deposits which form the great sand plain, made subsequently to the terrace epoch. The terraces show better in this locality on the north side of the river about two miles above Schenectady. Two parallel ones, the lower about 100 feet above the level of the present valley-plain and the other about 40 or 50 feet higher can be seen. An excellent point of view is the top of the bluff on the opposite side of the river.

The terrace epoch was a time of transition to the present. The river continued cutting its way down into the flood-deposits until it attained its present level and the valley acquired its present aspect.

2. We now pass to notice the geological features of the upland country. Going back from the valley the land gradually rises and the configuration of the surface becomes that of hill and dale. In the beds of the streams where the soil has been cut through and the bed-rock exposed one sees the same shale formation as that exposed on the slopes of the river valley. The overlying soil shows certain peculiarities readily recognized as com-

mon to all soils in the northern states. It consists of a mixture of sand, clay and rounded stones of all sizes, from gravel up to boulders. This material is known geologically as the Drift, and is a deposit brought down from northern latitudes by the ice sheet of the glacial epoch.

The geological history of the uplands is in brief as follows: In an early period of earth-history the region where we now live was a marginal sea-bottom. Lying at the north was a great land-mass—the American continent of that period. The streams of this land-mass brought down a clayey sediment and strewed it on the ocean bottom along the shore. Eventually the clayey deposit became solidified into shaly rock and uplifted into land surface. This was the origin of the Utica shale.

The area of land thus added to the continental mass became the scene of the usual terrestrial activities. Streams wore out their channels in its surface. The superficial layers of rock crumbled into soil and supported vegetation. A succession of forms of plant and animal life, strangely unlike those of the present, took place as geological time passed by.

Finally the epoch of a general elevation of the land was introduced. Its effect was to produce an Arctic climate—to extend the region of perpetual ice and snow to the latitude of southern New York. A great ice-sheet, continent-wide and thousands of feet thick, slowly moved down from the north. It scraped the soil from the rocks and ground down and scored the rocks themselves. It cut into the flanks of the hills and mountains and tore off huge fragments of rocks from the projecting cliffs. These materials it transported southward and finally, upon the melting of the ice, deposited them as a broad sheet of commingled clay, sand, gravel and boulders. This is the Drift which now forms the soil of the uplands. Since it was deposited rain and stream have sculptured its surface into the forms it now bears.

3. We have yet to notice the great sand plain lying to the east of Schenectady. It consists of a great bed of sand, perhaps 200 feet in thickness, and having an area which includes considerable portions of Schenectady, Albany and Saratoga counties. The surface is generally level but is here and there broken by low and irregular sand hills which are of wind origin, being sand heaped up by the wind. Such sand hills, or sand-dunes as they are called, are in process of formation at the present time, as one can see by driving across the plain on a windy day. The soil of the plain is of little value agriculturally, lacking the variety of components required for plant food.

This sand formation overlies the Drift and is therefore of later origin than it. The contact between the sand and the Drift can be well seen along the east side of South Centre street, Schenectady. The Drift here contains much clay and is impervious to water. Hence the ground water of the overlying porous sand is constantly running off the surface of the clay at its exposed edges, much to the inconvenience of householders. Some houses have been built upon elevated foundations, which would seem to be the only way of having dry floors.

The geological history of the sand plain is believed to be as follows: After the deposition of the Drift from the melted ice and after the floods had generally subsided there still remained water communication between the Hudson and Saint Lawrence valleys through the basin of Lake Champlain. In the region of the upper Hudson valley the channel was greatly widened, forming an inland sea. On the floor of this quiet sea material brought down by currents from the north was deposited. Thus accumulated in the course of time a vast bed of sand and this, upon being elevated into land surface, became the sand plain. Finally, by the action of rain, running water and wind, it acquired its present surface features.

J. H. STOLLER, '84.

REORGANIZE.

It is very evident to all that the college is on the road to success, that "Old Union" is fast regaining much of her former prestige and that she will soon stand on her old footing. But while everything is pointing favorably to the future success of the college outside, there should be a spirit of advancement inside. Some of the old customs and institutions should receive the consideration of the men now here. First in importance among these are the Philomathean and Adelpheic literary societies. Whenever alumni have occasion to visit their alma mater, naturally the sight of old and familiar scenes brings back very vividly remembrances of the college days spent here. One thought leads to another and invariably the question is asked, "How are the literary societies getting along?"—Philomathean or Adelpheic, as the case may be,—and when answered that both have died and are no longer a part of the college, without exception, I may say, they express the deepest regret and will tell you how they thought these societies, with the training received in them, the best part of their college course.

A very few years ago there was an attempt to revive these societies, but from some cause, either lack of genuine interest or a lack of men interested, the undertaking did not prove successful. There are many more men in college now than at that time, and, therefore, there should be less difficulty in reorganizing. Let these old institutions that have been of such value to the college, that have been so instrumental in producing statesmen, diplomatists, clergymen, editors, professional and business men who adorn Union's honor-roll, be again put in operation so as to allow of no possibility for a break in our great record of the past. The alumni have stood by the college and now let the students show appreciation of the help and revive these old institutions, that are so dear to the hearts of the old boys, and while the personal benefit

received will be incalculable, at the same time they will show to those who have the college at heart—the alumni—that their help and interest are appreciated and that their work for the college is not wasted. '93.

FOOT BALL.

The outlook for a good foot ball team is certainly encouraging. A number of the old players have returned with renewed vigor and are on the field. The class of '96, also, has a number of strong, sturdy fellows, material which if developed will make good foot ball players. But it is useless for the management of the foot ball association to hear these reports. What they want is *work* and *hard* work.

The other colleges, Syracuse, Colgate, Hamilton and Rochester, which are in the league, are entering large classes and are doing hard work daily. What we want is thirty men on the campus every afternoon—rain or shine—from whom captain Allen can select his two elevens for practice.

Now, fellows, this idea of practice cannot be impressed too greatly upon your minds. No team can do anything without good, solid, daily practice. This is the verdict not only of the men in college but also of a great number of our alumni, from whom the manager is daily receiving letters, accompanied with subscriptions. Now, this much is certain, if the men do not come out and give the team hard work, foot ball will be entirely dropped. We must have a second eleven that will hold the 'varsity down to a very few scores. Now, don't go to work upon the supposition that if you cannot make the 'varsity, you will not play at all. Go in to make a winning team for "Old Union," whether you are on the team or not. Come out every day and continue it all through the season, and there will be no doubt of our success.

Do not mind a few bruises, but keep on playing. In a short time you will not notice

these minor effects and, furthermore, your health for the whole year will be much improved. We do not desire individual or brilliant players, but our need is team work, without which foot ball is a total failure.

The season for practice games is already here and the league contests will soon begin. Come out at once and take time "by the forelock."

Finally, our manager needs financial support. There is no reason, with 225 men in college, that a large sum cannot be raised for foot ball. When the finance committee calls on you, give what you can afford and give at all times liberally. Every amount, no matter how small, helps in this good work.

But, in any case, remember the chorus, practice, *practice*, PRACTICE.

SENIOR.

TWO OF UNION'S BOYS.

Mr. Albert H. Pepper, '87, who made his mark last year in his work in the department of modern languages, during the absence of Dr. Wells, has just returned from a six months stay in Paris studying at the Sorbonne and the College de France.

Mr. Pepper was greeted on his return with the offer of an instructorship in the modern languages in Rutgers College, New Brunswick, N. J., which he accepted, and where he is already at work. The place was secured for him by Dr. Wells, who takes a great pleasure in rewarding his faithful and successful pupils in this way, regarding it as a compliment to Union and his department here.

Mr. Lee Felthousen, '86, has also made the modern languages a specialty, and after extensive travel and study in Europe, has been successfully engaged in teaching them in this country for several years. He has also been recently promoted to a professorship in the famous Milton Academy at Chester, Pa., through his own faithful work, and good words from his alma mater. These facts are a credit to the man and to Old Union.

FOOT BALL SUBSCRIPTIONS.

THE CONCORDIENSIS, as announced in the editorial columns, is to undertake the raising of the foot ball fund this year. All sums received will be acknowledged in this department. No students have been solicited, as yet, to give their subscriptions, but it is not necessary to wait for that. Hand in as large an amount as you can afford at once. Money is needed immediately. Either send it by mail to THE CONCORDIENSIS or hand your subscription to a member of the board. The following has been received by the manager up to date:

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THE WEST POINT LECTURE.

Gen. Michie Opens the Butterfield Course.

The great lecture course was inaugurated with the lecture of General P. S. Michie, Friday afternoon. The time announced for opening was 1:45 o'clock but it was nearly two when General Michie, General Butterfield, Rev. Dr. A. V. V. Raymond and Hon. Warner Miller with President Webster entered the chapel. The room was completely filled with the students, the trustees and the faculty and their families. Everyone realized that the long-expected and eagerly-awaited Butterfield lecture course was about to begin and a general air of expectation pervaded the chapel.

President Webster said a few words first, disclaiming any connection with the course other than that to which his position entitled him. General Butterfield followed him and introduced Warner Miller. The ex-senator spoke of the great interest he took in the course and expressed his approval of its intensely practical side. At the conclusion of Mr. Miller's remarks, General Butterfield, in a few well-chosen sentences, introduced the speaker of the day, General Peter S. Michie, dean of the faculty of the West Point Military academy. The lecturer then spoke for nearly an hour on the famous institution with which he is connected.

To avoid interfering with the prize competition we refrain from publishing an abstract of the lecture but hope to give the text complete in our next issue, when the fifteen days during which essays must have been handed in will have expired. We are unable to make positive announcement at present but if possible we shall publish each lecture in this way.

THE Freshmen officer's "set up" was held at The Edison, Monday evening. More or less of the usual trouble from the Sophomores was experienced, but nothing happened to cause any serious disturbance to the supper as planned.

EXTRACT FROM A LETTER WRITTEN BY GENERAL BUTTERFIELD WITH REGARD TO GENERAL PETER S. MICHIE.

I enclose a skeleton biography of General Michie, taken from Cullum's Register, which, according to its customs, cuts off all sentiment and eulogy, and gives the clear, brief record of service, action and work.

One would hardly read between the lines as I do from long personal knowledge and acquaintance with General Michie, his strong force of character, his great energy, powerful mind and his sterling and admirable character. It is a personal honor to me to claim him as a friend. He is one of the first and highest of the trained scholars and instructors in the land. He loves his alma mater of which he may be justly proud, as the first and best institution of its kind on the globe, as well as proud of being dean of its faculty. When he entered the academic board years ago, it was with a fixed and settled purpose to which he has steadfastly adhered and by which he now stands so high among the educated men of the world.

General Michie has been in most hearty and earnest sympathy with the course of lectures which he opens, from its first conception. He has been my adviser and friend, and I owe much to him. He suggested that the honor of opening the course be conferred upon some of his distinguished and perhaps more widely known, in the political world, comperes. I dissented at once considering him entitled to the post of honor, and did not consent to let his unfeigned modesty take him from that position.

He understands and appreciates fully the underlying purposes of the course, for special good to educated men and students. * * I desire that the students may thoroughly appreciate how strong and able a man is to address them and receive him with Old Union's usual cordial welcome for a gallant soldier, a pure scholar and true gentleman.

PETER S. MICHIE.

[General Butterfield has furnished THE CONCORDIENSIS with the following abstract of General Michie's military career taken from Cullum's Register.]

Number of Graduate U. S. Military Academy, 1906.—(Born Scotland)—Peter S. Michie—2, Class Rank. Military History.—Cadet at the Military Academy, July 1, 1859 to June 11, 1863, when he was graduated and promoted in the army to First Lieut., Corps of Engineers. Served during the rebellion of the seceding states, 1863-66 as Asst. Engineer in operations against Charleston, S. C., June 29, '63 to Jan. 16, '64, comprising the construction of batteries at north end of Folly Island, July 1-10, '63. Descent upon Morris Island, July 11, '63. Building Left Breaching Batteries against Ft. Sumter, Aug. 19-31,

'63. In charge of siege operations against Ft. Wagner, Sept. 1-7, '63. Repairing Forts Wagner and Gregg, Sept. to Nov., '63, and erecting defences at Cole's Island mouth of the Stone River, Nov., '63; as Chief Engineer of the Northern District, Department of the South, Jan. 16 to Feb. 6, '64, and of the District of Florida, Feb. 6 to April 13, '64, being engaged in the battle of Olustee, Feb. 20, '64, and in fortifying Jacksonville, Pilatka, and Yellow Bluff, St. John's River, Florida, Feb. to April, '64; as Asst. Engineer, Army of the James, May 1, to Aug. 1, '64, being engaged in the skirmishes and combats near Drury's Bluff, May 14-16, '64, and in constructing defensive works on the James River, May to Sep. '64; as Chief Engineer, Army of the James, and Department of Virginia and North Carolina, Aug. 1 to Dec. 2, '64, being engaged in constructing bridges across the James River at Varina and Deep Bottom, Sep. 29, '64. Assault and capture of Ft. Harrison, Sep. 29, '64, constructing line of works north of the James, and Dutch Gap Canal, Sep. 30, to Dec. 2, '64, as Chief Engineer of the Army of the James, and Department of Virginia, Dec. 2, '64 to March 30, '65; as Asst. Inspector General 25th Army Corps, March 23 to July '65; and in charge of all engineer operations of the column on the left of the Army of the Potomac, at Hatcher's Run, and in pursuit of the Rebel Army till the capitulation of General R. E. Lee at Appomattox C. H., March 30 to April 9, '65. Served in making surveys of the theatre of operations about Richmond April 9, '65 to April 20, '66; on leave of absence April 20, '66 to April 20, '67; at the Military Academy as Principal Assistant Professor of Engineering April 23, '67 to Feb. 14, '71. Instructor of Practical Military Engineering, Military Signals and Telegraphing, Aug. 31, '67 to Feb. 14, '71, and Assistant Professor of Chemistry, Mineralogy and Geology, Nov. 2, '67 to Feb. 28, '69; as Member of Commission to Europe to collect information on the Fabrication of Iron for Defensive Purposes in Coast Fortifications, June 29 to Nov. 22, '70; and as Professor of Natural and Experimental Philosophy, in the U. S. Military Academy, since Feb. 14, '71.

Commissions:

First Lieut. Corps of Engineers, June 11, 1863.

Brevet Captain, and Brevet Major, U. S. Army Oct. 28, 1864, for Gallant and Meritorious Services during the Campaign of 1864 against Richmond, Virginia.

Brevet Brigadier General, U. S. Volunteers, Jan. 1, 1865 for Meritorious Services in 1864.

Brevet Lieut. Colonel, U. S. Army April 9, 1865, for Gallant and Meritorious Services during the Campaign terminating at Appomattox C. H., Va.

Captain Corps of Engineers, U. S. Army, Nov. 23, 1865

Professor of Natural and Experimental Philosophy, Feb. 14, 1871. Civil History.—Member of the Board

of Overseers of the Thayer school of Civil Engineering, Dartmouth College, N. H., since 1871. Degree of Ph. D., conferred by the College of New Jersey, July 10, 1871; and of M. A., by Dartmouth College, June 27, 1873. Author of "Elements of Wave Motion, relating to Sound and Light," 1882; of the "Life of General Upton," 1885; of the "Personnel of Seacoast Defense," 1887; of the "Elements of Analytical Mechanics," 1886-7; and of "Elements of Hydro-Mechanics," 1888, and of "Practical Astronomy," 1892.

Medical Department.

THE 62d SESSION.

On Tuesday, Sept. 27, 1892, the Albany Medical College opened its 62d annual session. The opening address was delivered by Prof. S. B. Ward, M. D.

President Webster, of the University was present and greeted the students with the following words: "I had the honor of walking into this room arm in arm with Doctor Ward. On the way he said to me that it was a shame that any body of men should be obliged to come together on such a beautiful day as this; that they might better be engaged at foot ball or in killing deer—what kind of deer he didn't say—instead of having to listen to addresses. I desire to say that I am heart and soul in sympathy with the work and I desire to congratulate this college of medicine, which is a part of "Union University, upon its present, prosperous condition."

The remarks were closed by an appeal for the students to heed their instructors' advice.

He also spoke of the constant advancement of that part of the University, dear to many, namely, "Old Union" on the hill.

The Registrar expects to have a class of at least 50 Freshmen.

The interior of the buildings have been surprised by a coat of paint. It was probably due to the cholera scare.

P. I. M.

Subscribe for THE CONCORDIENSIS.

Alumni Allusions.

'92. E. J. Prest has entered the law office of Judge Stover, in Amsterdam.

'88. J. E. Winnie has been spending a few weeks in Schenectady, visiting friends.

'46. Horace B. Silliman of Cohoes, has been re-elected a commissioner to Auburn Seminary for three years from next May.

'60. The *Christian Intelligencer*, says:

"The first edition of "The Puritan in Holland, England and America," by Douglas Campbell, is exhausted. This is something unusual in the life of a work filling two large octavo volumes, and coming from the press about the first of July. An edition of a two volume historical work is not often sold in two summer months. A new edition is in preparation by Messrs. Harper & Brothers, in which the author will correct some typographical errors. A part of the new edition will be placed on the English market. The work is attracting a great deal of attention in Holland, has been noticed by the leading journals, and high authorities say it will soon be translated into Dutch. French historical scholars have also expressed their great interest in the work. Mr. Campbell has abundant reason to be gratified with the reception given to the results of his researches."

'60. The *Mercantile and Financial Times*, speaking of the election of Col. Chas. E. Sprague to the presidency of the Union Dime Savings Institution of New York city, says:

"This is an eminently wise and proper choice, and one upon which both depositors and trustees may be congratulated. Col. Sprague has been connected with the bank for twenty-two years and has always had its best interests at heart. That his administration will be wise, conservative and successful in the highest degree is a foregone conclusion among all who know him. Col. Sprague is a man in the prime of life, but looks more like thirty. He was a soldier of the war of the Rebellion—whence he derives his military title. He is very prominent in connection with various important organizations. He is a member of the Grand Army of the Republic, the Loyal Legion, Sons of Veterans, Sons of the Revolution, Phi Beta Kappa Alumni, Alpha Delta Phi, ex-President of the New York Institute of Accounts, Treasurer of the National Spelling Reform Association, President of the North American Volapuk Association, and member for the United States of the International Volapuk Academy. He is also the author and publisher of the best grammar and dictionary of Volapuk."

THE CONCORDIENSIS.

PUBLISHED ON ALTERNATE WEDNESDAYS DURING THE COLLEGE YEAR
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THE GAZETTE PRINT, SCHENECTADY, N. Y.

OUR CALENDAR.

Oct. 5, 1892.

Oct. 10.—Sophomore Essay Due.

Oct. 12.—Columbus Day.

Oct. 14.—Foot Ball. Union *vs.* Laureates,
at Troy.

Oct. 14.—Butterfield Lecture. Ex-Governor Alexander H. Rice. "The Duties of a Governor and his Work."

Oct. 15.—Butterfield Essays Due.

Oct. 19.—THE CONCORDIENSIS, Vol. XVI.,
No. 3.

Oct. 19.—Foot Ball. Union *vs.* Williams,
at Williamstown.

Oct. 22.—Foot Ball. Union *vs.* R. P. I. at
Schenectady.

Oct. 29.—League Foot Ball. Union *vs.*
Syracuse, at Syracuse.

Nov. 2.—THE CONCORDIENSIS, Vol. XVI.,
No. 4.

Nov. 4.—Butterfield Lecture. Hon. Erastus
Wiman. "Canada and the Great North
Land."

Nov. 7.—League Foot Ball. Union *vs.*
Rochester, at Schenectady.

Nov. 8.—Election Day Recess.

Nov. 12.—League Foot Ball. Union *vs.*
Hamilton, at Clinton.

Nov. 14.—Junior Essay Due.

Subscribe immediately.

What's the matter with new bulletin boards?
They are needed.

Read "Senior's" article on foot ball and
then act accordingly.

We have not heard of the plans of the Glee
Club for a trip this season.

There are twenty-nine Union alumni in the
University Club of New York.

Our aim is to give every CONCORDIENSIS
subscriber his two dollar's worth.

How shall the college observe Columbus
Day? It comes next Wednesday.

The edition of the first number of THE
CONCORDIENSIS is entirely exhausted.

Professor Stoller says the first issue of THE
CONCORDIENSIS this year was a good *starter*.
Our idea of it exactly.

Was the cane rush on the day of the Soph-
omore-Freshman foot ball game an indication
of progress or the reverse?

Can it be that our first issue was too bright?
Remarks about the color of the cover would
seem to imply that. How do you like the
change?

A collection of the portraits of such men as
will compose the Butterfield lecture course is
alone worth two dollars. Send in your sub-
scription.

What nice little boys grow in Schenectady!
How discriminating they are! We have been
called "Frosh" every September for four
years and expect to be so designated until we
return to attend our decennial reunion.

What class will be first to imitate the action of the class of '80 in doubling the Junior oratorical prizes by doing the same for the Sophomores?

We hope that the students will remember Dr. Webster's injunction about the order of leaving chapel, not only in the morning but at all college meetings.

THE CONCORDIENSIS congratulates itself and the college in general in calling the attention of Dr. Wells to the interest the students would take in his reminiscences of George William Curtis. Uncle "Billy's" talk in chapel Wednesday was one of the most entertaining of our superlatively entertaining professor.

The best thing a Freshman can do is to ally himself with some college organization. Foot ball, tennis and base ball in the athletic line claim his attention. The glee club wants the singers and the orchestra the musicians. THE CONCORDIENSIS welcomes all of a literary or journalistic turn of mind. If these openings are not sufficient make others. Do something for your college.

This is the college yell of the girls of the annex of the Western Reserve University of Cleveland:

"Warm milk, fresh air,
Keep your feet
Off the registaire."

The explanation is furnished by the three rules of the institution: Drink warm milk, exercise in the open air, keep off the hot air registers in winter.

We publish the biographical sketch in this number of Gen. P. S. Michie, who delivered the opening lecture of the Butterfield course, on Friday last, at the college. We are in hopes to be able to secure the privilege of publishing the lectures as they are delivered,

but of this we are not yet able to make definite announcement, for the reason that the matter of their publication, and it so, how and in what form, has not yet been decided upon by the committee of Alumni and officers of the college in whose hands the matter has been placed by the founder of the course.

ALBANY, N. Y., Sept. 28, 1892.
EDITORS CONCORDIENSIS,
Schenectady, N. Y.

Gentlemen:

I have just glanced over the September issue of THE CONCORDIENSIS and wish to express my sincere appreciation of the very decided improvement in the paper. It is the best number by far that has come to me for several years, and it is so especially because of the local and personal news. It was full of information which a graduate likes to get. We like to know, for instance, where the faculty spend their vacation—everything that concerns the president, faculty and students of the college. We do not care especially for long discussions or extended accounts of athletic contests, while we always like to know the result of such contests; but what we care about especially is the information given about the college itself.

Excuse me for writing in this way, but I feel that you deserve a word of encouragement. The paper is the representative of the college, and should be the best that you can make it. I enclose my check for \$2.00 in payment for my year's subscription.

Respectfully yours,
A. V. V. RAYMOND.

NEWS comes that Colgate has withdrawn from the foot-ball league. The object of the withdrawal, the Colgate men say, is that a university team may be put in the field and thus have a heavier eleven and secure games outside this state. Manager Lines will probably endeavor to secure a date for a Union-Colgate game, notwithstanding the withdrawal of the latter from the league.

FOOT BALL FINANCES.

The foot ball manager is a very busy man. His duties, apparently simple, are in reality multitudinous and complex. The position is a hard one and, during the season, his work is continuous. Every college man should feel it his duty to help the manager in every way possible, and that voluntarily. He ought not to be obliged to go from room to room begging men to come out on the field and play foot ball. The man who will not do everything in his power to help his college in the athletic line as well as in other directions, is not worthy to be called a UNION College man. Union men are loyal, first, last and all the time.

Preaching without practicing is a poor occupation. THE CONCORDIENSIS does not indulge in that kind of editorials. We propose to relieve the foot ball manager of one of his most disagreeable duties, that of gathering subscriptions. We shall open a foot ball subscription list and every cent subscribed to the Union College foot ball eleven will be acknowledged in these columns.

We hope and expect that every student now in college will give something, even if it is only ten cents. Your name will be published or not as you choose. A fictitious name or any designation you may select will be used to acknowledge your amount. Don't hesitate because the sum is small, but on the other hand make it as large as you can afford.

Not only students but alumni, everyone interested in Union's welfare, will be gladly welcomed and recorded. It should be an honor, not a duty. THE CONCORDIENSIS starts the ball with twenty-five dollars. See particulars in another column.

THE UNION COLLEGE CHRISTIAN ASSOCIATION.

Last year the religious meetings conducted by the students were governed by a temporary organization, and though the results were encouraging the leaders felt that a more permanent organization was needed. Con-

sequently there has been formed a Christian Association, the object of which is to place Union College upon an equality with other like institutions in the line of the promotion of unity and spirituality among the students. It holds a prayer meeting every Tuesday afternoon at 5 o'clock. The officers are: President, Geo. H. Hoxie, '93; Vice President, Emmet Sloat, '94; Secretary and Treasurer, John Van Schaick, '95. The Executive Committee consists of C. A. Burbank, '93, G. B. Lynes, '94, R. H. Potter, '95. The leader for Oct. 4, is Samuel G. Parent, '93, and for Oct. 11, Emmet Sloat, '94.

THE NEXT LECTURE

In the Butterfield course will be given by Hon. Alex. H. Rice, of the class of '44, Union, Ex-Gov., of Mass. It will be on Friday, Oct. 14, in the afternoon. His topic will be: "An inside view of the gubernatorial office."

Gov. Rice is a very clever and able man. The young men who expect to be governors in the future will do well to heed carefully what the Governor tells them of this inside view, for perhaps some may be disappointed and this will be their chance to know the inside of it.

Prof. Daniel B. Hagar, Ph. D., of '44, Union, now Principal of the State Normal School at Salem, Mass., will be the Alumnus Judge for the prizes on Gov. Rice's lecture.

The special prize of \$25 for the best essay or paper on Gov. Rice's lecture has been tendered by the Zeta Psi Society.

The Alumnus Judge on Gen. Michie's lecture is Gen. Fred. Townsend, of Albany.

The Faculty Judges on the first and second lectures are yet to be designated by President Webster or Dean Whitehorne.

Dr. Wells gave a very interesting talk on George William Curtis in the college chapel on Wednesday of last week. A large number of the students were present.

FOOT BALL.

UNION, 4.

R. P. I., 0.

THE FIRST GAME A VICTORY.

WEST TROY, October 1, 1892.

Anyone who saw the first five minutes of the Union-R. P. I. game, and who knew the dilapidated state of the Union eleven, three of our best players being laid off on account of injuries received in practice games, would have considered a Union victory very improbable. But the improbable happened and Union won the first game of the season. The careful training by Captain Allen brought its legitimate results, and every man on the team did himself proud.

About fifty students accompanied the eleven to West Troy Saturday afternoon and every man was glad he went. At 3:55 P. M. the teams lined up as follows :

Union.	R. P. I.
ISKANIAN.....	Right End.....GARLAND
ALLEN (Capt.).....	Right Tackle.....HIND
MILLER.....	Right Guard.....ALLEN
KINNY.....	Centre.....MAYERS
LAVERY, '96.....	Left Guard....McPHERSON, (Capt.)
BROWN.....	Left Tackle.....HORTON
MYERS.....	Left End.....FRAZIER
MELIUS.....	Quarter.....TEN EYCK
CASS.....	Right Half.....HANNAVAN
LAVERY, '95.....	Left Half.....LYONS
BRAMAN.....	Full Back.....GINEBRA

Union started with the ball and gained slightly on the wedge but losing the ball on four downs, Ginebra took it around the right end, successfully avoiding the Union men, and started for the Union goal with a clear field before him. There was a Union man behind him, however, and his name was Myers. Myers was the swifter runner and the ball was brought down but frightfully near the Union goal. Here it stopped, alter-

nating from side to side on four downs and R. P. I. was, at one time, within five yards of a touch down. But the five yards were as good as five miles as far as touch-downs were concerned. Finally the R. P. I. men seemed to weaken and by repeated bucking the centre the ball was gradually carried back toward the centre of the field. Then Braman took it and making a magnificent run carried the ball into R. P. I.'s territory. Here time was called and the first twenty-minute half was over with the score standing 0 to 0.

In the second half Kummer was substituted for Allen, R. P. I. The Polytechnic men started with the ball and by a clever trick Hannavan succeeded in getting away down the field but Braman stopped him. Here R. P. I. lost the ball and Union, by breaking through the centre slowly advanced up the field. The rest of the story is magnificent runs by Braman and Cass, and by constantly crowding through R. P. I.'s centre, the ball was carried within a few yards of the enemy's goal. Then Lavery, '95 took it, and by a big push and a push altogether, over the line he went, and the first touch-down for Union, for the season of 1892, was scored. Allen failed to kick a goal and the ball was taken to the centre of the field. Score 4 to 0.

R. P. I. having the ball, Lyons made a big gain around the end, another gain through the Union centre, the only gain made by R. P. I. in this way during the game, and the ball was within 20 yards of the Union goal. At this point the R. P. I. quarter-back fumbled the ball and Union got it. Then it moved slowly but surely away from the Union goal, but before it reached the R. P. I. territory time was called and Union had won the first foot-ball game of the season.

Everybody played well but especial mention should be made of Braman and Myers, the former because of his great gains around the ends and the latter for his saving the game by beautiful sprinting.

Local and Personal.

Eighty-nine Freshmen.

Ex-Governor Rice next.

Wright, '90, was on the hill Monday.

W. C. Anthony, '64, was in town last week.

Fox, '93, has entered the University of Michigan.

Barnes, '95, and Spencer, '95, have returned to college.

J. G. Beckwith, '60, spent a few days in the city recently.

Esselstyn, '93, spent last Sunday at his home in Hudson.

Prof. C. H. Vanderveer, our ex-gymnast, was in town Monday.

Homer Williams, '92, has been seen on the campus quite frequently of late.

The Freshman examination in French, by Mr. Mosher, was held Monday.

C. A. James and Emmett Clark, of Nassau, visited on the hill a few days ago.

Prof. Stoller gave a couple lectures in evolution to the Senior class recently.

A. Jas. Fake, Dwight Law School, N. Y., visited S. L. Vossler, '95, Sept. 23.

Spencer Warnick, Yale, '95, visited his cousin Harry I. Warnick, '95, last week.

Essays on the lecture of General Michie must be handed in by noon of October 15.

E. A. Vanderveer, '95, and F. I. Jansen, '93, visited friends in college a few days last week.

F. W. Allen, '93, was elected president of the Athletic Association at the last college meeting.

Clowe, '93, occupied the pulpit of the Reformed church of Gifford's the past two Sundays.

The class of '80, through R. C. Alexander, '80, has doubled in amount the Junior oratorical prizes.

The tennis tournament had not been finished at the hour of going to press. Full account in our next.

John E. Ostrander, C. E., A. M., '86, has

been appointed Professor of Civil Engineering in the University of Idaho.

Three Seniors and one Junior are taking Elective Greek with Dr. Whitehorne. They are reading the New Testament.

Dr. Webster continues his Sunday afternoon meetings in the chapel at 4 P. M. The large attendance shows the interest of the students in these talks.

W. E. Walker, '95, who has been seriously ill with typhoid fever is improving rapidly and expects to be around again shortly.

Bergen, '95, in a standing high jump contest at Sidney, N. Y., threw his right leg out of joint at the knee. We are pleased to note his very much improved condition.

Additions to the Freshman class are: 87 c., J. G. Beckwith, Jr.; 85 eng., B. H. Boorn; 86 eng., L. B. Burton; 88 lat. sci., C. L. Enders; 84 c., A. McDonald; 89 sci., S. D. Sigsby.

The committee on revising the management of THE CONCORDIENSIS reported at the College meeting Friday. The report was laid on the table until the next college meeting.

The Union College Republican Club has elected officers as follows: President, G. M. Bowns, '93; Vice President, H. L. Cooke, '94; Treasurer, L. C. Baker, '95; Secretary, E. H. Wilson, '96.

Any one wishing to join the tennis association may do so by handing his name and \$1.50 in dues to a member of the committee composed of Campbell, '94, Perkins, '94, and Strecker, '95.

The following four members of the class of '90, passed the examinations held in Saratoga on Sept. 15, for admittance to the state bar: Fred Linus Carroll, Albert B. Van Voast, Norman B. Fish and Geo. C. Stewart.

The Democratic Club has elected: President, C. W. Field, '93. Vice President, N. I. Veeder, '94; Secretary, Wm. Allen, '95; Treasurer, E. L. Auchampaugh, '94. The Executive Committee is composed of Field,

'93; Gregory, '94; Vossler, '95, and Parsons, '96.

Coming attractions at the Centre Street Oprera House: October 7, Mr. and Mrs. Drew, in "That Girl from Mexico;" Oct. 17, a superb spectacular, "Fabio Romani;" Oct. 22, Chas. T. Ellis, new play, new songs, new dances.

The Junior Hop Committee has been appointed as follows: R. R. McFarlin, chairman; N. I. Vedder, J. N. White, E. W. Daley, R. Van Busekom, E. Lee Auchampaugh, H. E. Furman, J. O. Reynolds, H. O. Baldwin, Roger Perkins.

Barker's Physics, a book of 900 pages, now in press, will be used by Prof. T. W. Wright, this year. The subjects are placed in the same order that has been customary in the department and will be much more convenient than the several books heretofore used.

The Butterfield Literary Society has elected the following officers: President, S. L. Vossler, '95; Vice President, H. M. Pollock, '95; Secretary, F. M. Eames, '95; Treasurer, W. J. Sanderson, '95; Critic, J. M. Cass, '95; Sergeant-at-Arms, W. G. Brown, '95; Assistant, T. F. Bayles, '95.

At a meeting of the Technical association in Fuller's hall on Tuesday evening, October 4, Prof. C. C. Brown delivered a lecture on "The Use of Settling Basins in Water Supplies from Rivers." After the lecture opportunity for discussion of the subject was given. Prof. Brown also gave the results of experiments just made by himself and Prof. Stoller at the Settling Basin of the St. Louis, Mo., water works.

The following members of '96, are sons of Union graduates:

Anderson....	Rev. John Anderson..	'52
Anthony.....	W. C. Anthony.	'64
Beattie.....	Rev. Chas. Beattie.....	'59
Carroll.....	John M. Carroll.....	'46
Jackson.....	Hon. W. S. Jackson.....	'42
Strong.....	A. P. Strong.....	'64
Van Duzer..	E. C. Van Duzer.....	'67

Ward.....	Rev. Henry Ward.....	'64
Westfall.....	D. M. Westfall.....	'66
Yelverton...	Thomas Yelverton.....	'66

The Sophomores and Freshmen played a game of foot ball on the campus, Friday, September 23. Twenty-minute halves were played. When time was called the score was 8-0 in favor of the Sophs. Allen, '93, was referee, and Lines, '93, umpire. After the game the classes engaged in a friendly cane rush. This, also, the Sophomores won, having eight hands on the cane to the Freshmen's seven at the finish.

The subjects for the essays and discussions of the Juniors and Sophomores have been posted. The formal essay for Sophomores is due October 10, subject: "The Labor Situation in the United States." The formal essay for Juniors is due November 14, subject: "The Force Bill." The Sophomores have an extemporaneous essay due early in October on the general subject: "The Early Voyages of Columbus." The Juniors will have an extemporaneous discussion early in October on the general subject: "Compulsory Arbitration."

A Union ball nine went to Glens Falls on Tuesday, September 27, and met the aggregation going under the name of the Glens Falls base ball nine. We were defeated, it is true, but under the circumstances it was no discredit to the college or the nine. There were seven Freshmen with two Seniors on the team, who had never played together before. In fact, the Union pitcher and catcher were introduced on the train. The object of this untimely ball playing was to ascertain the quality of the material in the Freshman class for next year's nine, and, to say the least, the results were eminently satisfactory. It can be confidently stated that with proper training during the winter next year's ball nine will be better than any that has represented Union in many a year.

Following are the class officers: '93. President, Allen Wright; Vice President, J. C.

McAlpine; Secretary, E. A. Lamb; Treasurer, F. Grupe; Grand Marshal, A. Fairlee; Prophet, W. B. Lippincott; Orator, C. Clowe; Addresser, S. Parent; Historian, D. N. Tallman; Poet, B. Van Zandt; Ivy Poet, Ed. Gillespie; Ivy Orator, A. J. Roy; Pipe Orator, G. T. Bradt; Foot Ball Manager, Ed. Lines, '94. President, Baldwin; Vice President, Lobenstein; Secretary and Treasurer, Baggerly, Poet, VanAuken; Foot Ball Manager, Miller; Base Ball Manager, Braman; Toast Master, Daley. '95. President, Wm. Allen; Vice President, F. E. Holleran; Secretary, Beecher Van Duzen; Treasurer, Miles Ayrault; Toast Master, Howard Pemberton, 2nd; Base Ball Director, Fred Kline; Foot Ball Director, J. Y. Lavery. '96. President, Sprague; Vice President, Beattie; Secretary, Morris; Treasurer, Wood; Historian, Briggs; Toast Master, Webster.

The Autumn haze has filled the west
With gold unreckoned, and the rest
And peace that follows tasks done well
Comforts the land; the swallows tell
Their brood to leave the rafter-nest.

How soon they go, so fearful lest
The snow should come, the south is best
They fear Witch Winter's slumber-spell
The Autumn haze.

Peace everywhere, the earth is blest:
The "Frosh" obeys the "Soph's" behest,
Trembles at every Sophomore yell
Hears night and day his passing-bell
And doth with all his heart detest
The Autumn haze.

For the Pipe.

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"I am so glad to meet you, your name is very familiar to me, you have had relatives here have you not?"

Chumpley Fresshe (proudly.)

"Yes, my father was valedictorian of '67."

Spoonson—

"When I go back to the city will you think of me?"

Farmer's daughter—

"Yes, every time I feed the calves."—*Judge.*



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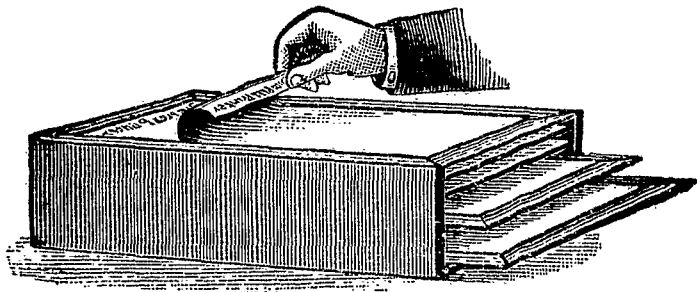
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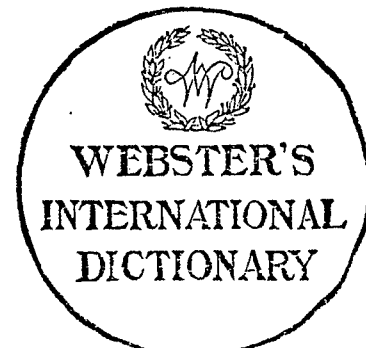
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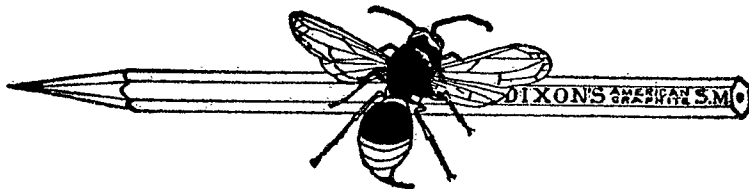
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